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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/634,174	08/05/2003	Leonard Forbes	1303.102US1	6342
7590 07/27/2004			EXAMINER	
Schwegman, Lundberg, Woessner & Kluth, P.A. Attn: Marvin L. Beekman P.O. Box 2938			GARCIA, JOANNIE A	
			ART UNIT	PAPER NUMBER
Minneapolis, MN 55402			2823	
			DATE MAILED: 07/27/2004	4

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	10/634,174		
Office Action Summary	Examiner	FORBES, LEONARD Art Unit	
The MAILING DATE of this communicat	Joannie A García	ith the correspondence address	
eriod for Reply	ion appears on the core of cheer in		
A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNICA' - Extensions of time may be available under the provisions of 37 after SIX (6) MONTHS from the mailing date of this communic. - If the period for reply specified above is less than thirty (30) da - If NO period for reply is specified above, the maximum statutor - Failure to reply within the set or extended period for reply will, Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	TION. 7 CFR 1.136(a). In no event, however, may a ation. y a reply within the statutory minimum of thin ry period will apply and will expire SIX (6) MOI by statute, cause the application to become A	reply be timely filed ty (30) days will be considered timely. NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).	
tatus			
1) Responsive to communication(s) filed o	n .		
, ,	This action is non-final.		
3) Since this application is in condition for		ters, prosecution as to the merits is	
closed in accordance with the practice t	·		
isposition of Claims			
4)⊠ Claim(s) <u>1-45</u> is/are pending in the appl	ication	•	
4a) Of the above claim(s) <u>26-35 and 42-</u>		eration.	
5)⊠ Claim(s) <u>22-25</u> is/are allowed.	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>		
6)⊠ Claim(s) <u>1-5 and 11-14</u> is/are rejected.			
7) Claim(s) <u>6-10,15-18,19-21,36-41</u> is/are	objected to.		
8) Claim(s) are subject to restriction			
unlication Denoue			
Application Papers			
9) The specification is objected to by the E 10) The drawing(s) filed on is/are: a)		by the Evaminer	
Applicant may not request that any objection			
Replacement drawing sheet(s) including the			
11) The oath or declaration is objected to by			
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for	foreign priority under 35 H S C	8 119(a)-(d) or (f)	
a) All b) Some * c) None of:	Toroigh phonty under 55 0.5.0.	3 1 10(a) -(a) or (i).	
1. Certified copies of the priority do	cuments have been received.		
2. Certified copies of the priority doc		Application No	
3. ☐ Copies of the certified copies of t			
application from the International	·	_	
* See the attached detailed Office action for		t received.	

1) X Notice of References Cited (PTO-892)

Paper No(s)/Mail Date 20040723.

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) X Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)

4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.

6) Other: ___

5) Notice of Informal Patent Application (PTO-152)

Applicant's election without traverse of claims 1-25, and 36-41, in the reply filed on 04-19-04 is acknowledged.

Claims 1-10, 19-21, and 36-41, are objected to because of the following informalities: In claims 1, 19, and 36, lines 4, 8, and 4, respectively, "strained silicon" should be followed by -- layer--. It is unclear what is recited in claims 2-4, and 12-13, since how vertical isolation in a layer (i.e., the silicon strained layer) is going to be performed in such layer, if that layer hasn't been formed yet (i.e., the silicon strained layer). Appropriate correction is required.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-5, and 11-14, are rejected under 35 U.S.C. 102(e) as being anticipated by Hammond et al (US 2003/0013323 A1).

Hammond et al discloses forming a relaxed SiGe layer 14 above a substrate 12 by growing (Figure 1, and Paragraph 0019), forming a strained silicon layer 20 above the relaxed SiGe layer by growing (Figure 1, and Paragraph 0019), forming at least one recess in the substrate to laterally isolate the strained silicon layer (Figure 3), and vertically isolating the strained silicon layer from the substrate by undercutting (Figure 5, and Paragraph 0024).

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Hammond et al discloses, as well, forming a gates 44 and 46 above the strained silicon layer, following the formation of a recess step (Figure 10, and Paragraph 0026).

Claims 6-10, 15-18, 20, 21, and 37-41, would be allowable if rewritten to overcome the objections set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

Claims 19 and 36 would be allowable if rewritten or amended to overcome the objections set forth in this Office action.

Claims 22-25 are allowed.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group Receptionist whose telephone number is (703) 308-0956 until 2/4/04. See MPEP 203.08.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Joannie Adelle García whose telephone number is (571) 272-1861. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Olik Chaudhuri, can be reached on (571) 272-1855. The fax number for this group is 703-872-9306 for before final submissions, 703-872-9306 for after final submissions and the

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customer service number for group 2800 is (703) 872-9317. Updates can be found at http://www.uspto.gov/web/info/2800.htm.

George Fourson Primary Examiner Art Unit 2823

JAG July 23, 2004

George Fourson Primary Examiner Art Unit 2823 (571) 272-1860